

For More Information



ABOUT THE PRINCETON

CG 59 is the sixth ship to bear the name Princeton. The first Princeton was a sloop of war, commissioned in 1843. On February, 28, 1844, while demonstrating a new type of cannon to the President and numerous dignitaries, ten people were killed when the cannon burst. Among the casualties were the Secretary of State and two senators. The ship was decommissioned in 1849.

Missile cruisers are multi-mission surface combatants capable of supporting carrier battle groups or amphibious forces; or of operating independently. Cruisers are equipped with Tomahawk cruise missiles giving them additional long range Strike Warfare capability.

ONLINE RESOURCES

USS Princeton Home Page: www.public.navy.mil/surfor/cg59

USS Princeton Facebook Page: www.facebook.com/ussprinceton

U.S. Pacific Fleet Home Page: www.cpf.navy.mil

U.S. Pacific Fleet Facebook Page: www.facebook.com/pages/Pacific-Fleet/313315455431274

Navy Task Force Energy Facebook Page: www.facebook.com/NavalEnergy

Navy Energy, Environment and Climate Change Web Site: <http://greenfleet.dodlive.mil/home>

Currents – the Navy's Energy & Environmental Magazine Home Page:

<http://greenfleet.dodlive.mil/currents-magazine>

Currents Facebook Page: www.facebook.com/navycurrents

USS Princeton (CG 59)



Energy and Environmental Highlights

USS Princeton Quick Facts

Ship Type:	Guided Missile Destroyer
Commissioned:	February 11, 1989
Homeport:	San Diego, CA
Fleet Assignment:	Commander Naval Surface Force, Pacific Fleet
Length:	567 feet (172.3 meters)
Beam:	55 feet (16.8 meters)
Displacement:	9,600 tons (maximum)
Draft:	33 feet (10 meters)
Speed:	30+ knots
Manning:	363 Officers and Enlisted Personnel
Motto:	<i>Honor and Glory</i>
Aircraft Carried:	2 SH-60B or MH-60R Seahawk helicopters

Energy Facts

- Participated in the **Great Green Fleet** demonstration during RIMPAC 2012—was successfully powered by **50/50 biofuel blend**.
- Employs **Smart Voyage Planning Decision Aid** to optimize routing plans to ensure ship safety and fuel savings.
- Utilizes **Gas Turbine On-Line Water Wash** which allows compressors to be washed while the engine is running (engines are usually shut down during this activity). This reduces maintenance, improves starter life, and **reduces fuel consumption** by keeping the compressor section of the gas turbine cleaner.
- Actively supported periodic underwater hull cleanings, **saving fuel while underway**.
- Used simulators and other onboard training equipment to eliminate dozens of underway days, thereby **reducing shipboard power plant use**.
- Educated crew members on **energy efficiency best practices** (quick “Navy” showers, thermostat settings, ventilation maintenance).
- Provided semi-annual crew training to **emphasize the importance of energy conservation**.
- Subject of an **energy efficiency study** by Rocky Mountain Institute. The survey team produced a wide range of recommendations.



Environmental Facts

- **Plastic waste processors** melt and compress all plastics for onboard storage.
- **Pulpers** shred paper and cardboard for safe disposal at sea.
- **Grinders** process metal and glass into small pieces which are discharged in biodegradable burlap bags to avoid floating debris.
- **Paints, solvents and other chemicals** needed for maintenance are managed via a strict inventory control system.
- **Oil/water separators** and other oil pollution abatement systems help keep oil out of the ocean.
- **Tributyltin-free coatings** on ship's hull and propellers reduce drag from biofouling organisms.
- **Ship's lookouts** are trained to spot whales and alert the ship to change course if needed to avoid collisions with marine life.

The Princeton during the 2012 Great Green Fleet demonstration.

